## Smoke Box, Latest Invention, Screens Ships From Attacks of Submarines

## 'GIANT SQUID' OF SEA WAR BEATU-BOATS

### SMOKE BOXES CHEAT SUBMARINES OF THEIR PREY

LONDON, Sept. 22.-The naval authority that the new defensive measures against submarines are meeting with success, justifying the hope of a further reduction in the losses, and says that it can be stated on officials authority that the results of the michods adopted in the last month give cause for growing

According to an admiralty statement, dozens of ships have been saved by the smokebox system, which the admiralty during the last few months has supplied to a majority of British mer-

Of all the inventions and sugges tions evolved with the idea of circumventing the fatal activities of the torpedo-belching submarine none has proved itself more efficacious than the smoke-screen, first suggested to an American inventor by the octopus, or giant squid, which ejects an inky fluid and totally obscures itself whenever a human or piscatorial enemy approaches.

Inexpensive and Easy. The most recent evolution of the

smoke-screen, combining inexpensiveness with ease of opertion and quick action, is the "smoke-box," an inter-esting description of which is conder date of September 15: Through the courtesy of Munn & Co., publish-

been said about the smoke screen, and little is really known about it. It is mobe screen prevents a merchant test obvious that it can only be used when danger threatens, whereas protective coloring is only of use in preventive the danger from threatening. To keep a ship constantly behind a smoke screen would be to invite the very danger it aims to dodge.

"And it should be noted that if a switch state of the submarine, it also prevents the submarine, it also prevents the gun crew of the vessel from making the submarine keep to an awash condition—and a submarine water.

Notice of fineral later.

ZENKINS Entered into rest, on September
11.121, SARAH E. JENKINS.

Puneral from the residence of her sister.
Mrs. J. J. Davis. 118 B sirvet northeast,
on Monday morning, September B, at 16
a. in. Interment in Baltimore.

LITTLE—On Sunday, September B, 1817,
at 118 o'clock a. in. SAMUEL IEOWARD,
beloved son of John E, and Mary M. Little,
aged (wenty-three years.

Notice of funeral later.

VON GLUEMER.—On Friday, September B,
1817, at the Savoy apartment, JOSEPH
VON GLUEMER, father of Endolph von
Gluemer and Mrs. John R. Hege.

Funeral service from J. William Lee Sons
chapel, Monday, September 23, at 10:30 a. in.

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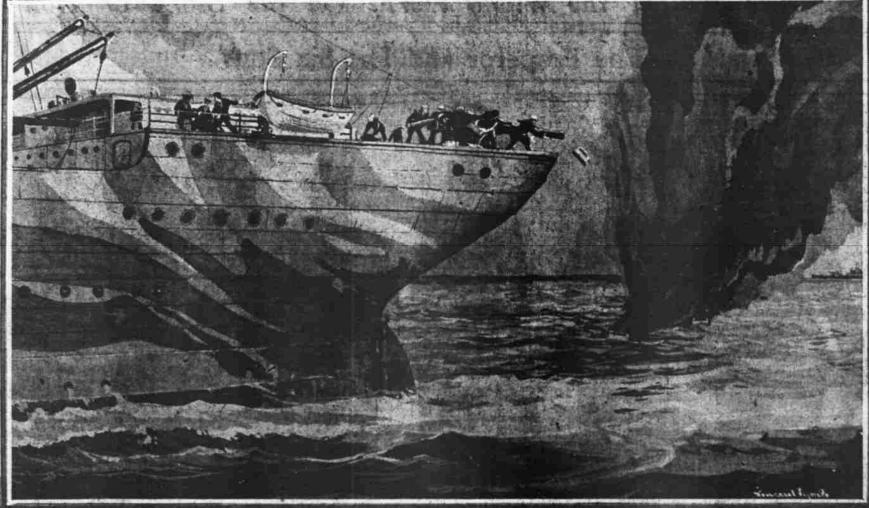
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DISITIONIMUMNICO INE PROMIDERENTINO AMERICAN

Throwing smoke boxes overboard to build up a screen before a pursuing submarine. (Note camouflage on freighter's hull.)

to anthracite coal and to throw overboard a smoke box.
"The low angle of vision possesse by a submarine, whether from peri-scope or from surface floating postion, makes it satirement whether a determine at a distance whether a source of smoke is a smoke box on a source of smoke is a smoke from a ion, makes it extremely difficult to

source of smoke is a smoke box on the water or a smoke stack from a hull-down vessel.

"Smoke boxes may be holsted to a mast, to produce a quick spread of a smoke screen, and the vessel simply turn tail and run, or the smoke box may be mounted on the stern. In such an event the screen acts simply as a preventive of a torpedo being fired, and the vessel must depend on her speed to outrun the submarine. No submarine commander is going to with the preparations of the United fire a valuable torpedo at the stern

fire a valuable torpedo at the stern of a fleeing vessel unless he is pretty sure of a hit, and a smoke screen makes a hit under such circumstances entirely a matter of chance.

"Smoke boxes produce smoke for against the Germans. twenty minutes, perhaps for half an hour. To carry enough to keep a smoke screen going indefinitely would mot ald safety to any great extent. When a submarine sights a vessel one when a submarine sights a vessel one with the men closest to the center of the daministration.

"Ill be here through the winter," he smoke screen going indefinitely would not ald safety to any great extent. When a submarine sights a vessel one of the men closest to the center of the accompany it.

"The Bureau of War Risk Insurance," says the Scientific American contributor, "requires that vessels sailing for European and Mediter ranean ports after October i be equipped with at least one dozen, smoke boxes of approved design. Much has been said about the emoke screen, and little is really known about it. It is solved from being fired upon success.

smoke screen going indefinitely would not all safety to any great extent. When a submarine sights a vessel one of two things happens—she either cathers up with her victim and torpreduce her, or the intended victim makes her escape. If the escape is AFTER PEACE IS DECLARED, not to be made in the time provided or by a dozen smoke boxes, it probables to be made. If the two vessels have an equal speed, all that is necessary is for the submarine to run find in the Teuton replies evidence of the "And it schausted." And it schausted.

"And it should be noted that if a list can only be used when contended of the "Court of the Court of the United States and the allies to find in the Teuton replies evidence of the "Court of the Court of the Court of the United States and the allies to find in the Teuton replies evidence of the "Court of the Court of the "Court of the Court of the Cou

"Smoke boxes are of many designs.

One, using phosphorus probably combined with tar. or other free carbon-forming combustible, keeps its fuel

under water until used, when it is ignited and fanned out into the air by missan of a blowing apparatus. The blowing apparatus of the same of the same of the same of kuttur which tore up the same of the same of kuttur which tore up the same of the same of kuttur which tore up the same of kuttur which tree up the same system of diplomate.

"Note of the United States a great part of the supplied and the same same and the supplied and the same and the supplied and the same of the united states and the same and the same and the supplied and the supplied an

while Congressmn Webb resides at Germany has attained her coveted and the right p Hotel Dewey.

nazing industry of those connected States for war. But there is an amaz-

On the face of things no such

guarantee appears. It is the same old German military autocracy which extended the right hand to Argentina while its envoy advised the "sinking without trace" of Argentina ships. It is the same old Kaiserism that gave and revoked the Sussex pledge. It is

The bread baked in the huge evens the most satisfactory minimising treating the same and her ships that has a yet been discovered."

Coveright, IM, Mum & Co., Reientisfa has been to the same and the ships that has a yet been discovered."

Coveright, IM, Mum & Co., Reientisfa has been to the sate of the same and the ships that has been to the sate of the same and the ships that has been to the same and the ships that has been to the same and the ships that has been to the same and the ships that has been to the same and the ships that has been to the same and the ships that the same and the same a

her hold is daily threatened by Haig's guns from without and by the sentiments of the increasingly powerful liberal Germans from within. She has laid the lines for her empire to the east, but Russia threatens one side of that thin line, Italy is driving at the other, and Bulgaria, one of its links, is weakening. The submarine campaign has utterly falled to starve Engiand or to disrupt the co-operation among the ailies. Day after day the sentiment for a responsible Reichstag in Germany is

arter day the sentiment for a re-sponsible Reichstag in Germany is growing stronger and more and more openly expressed.

All of her gains were made through Germany's superb praparedness and her first mighty blows of the war. They are now threatened before England has reached the maximum of he land has reached the maximum of her strength and before the United States has more than put a finger to the wheel. Germany is beginning to vis-ualize the result when thousands-millions—of well fed, highly trained, perfectly equipped soldiers United States are thrown i

# REPAIRS ON BIG

Refore moon today nearly 1,000 peo ple had journeyed to the Potomac

view the big plane today than was and cannot learn will soon be back possible yesterday. When Capt.

CAMP MEADE, Md., Sept. 23.—
There will be no embaimed beef scarclessor. He was retired and promoted
to the rank of lieutenant colonel one marksmanship badges for many ofcers and noncoms.

ficers and noncoms.

The inspectors took one look at a certain lot of corned beef. They looked at more and more of it, and began to frown. They gave that meat began to frown. They gave that meat ah ugly, nasty stare—just the way a 100 per cent American looks at the fellow who wants to know why we are at war. That meat was condemned. There were 255 cases of it. The folks back home may be sure of this, that the test for food here is more severe than any test an ordinary housewife could apply. In the first place they are keyed up to the top notch because they want every-

Park polo field to see the big 525top notch because they want everyhorsepower Caproni biplane that lay
sprawled on the edge of the flying
field this morning with a crumpled
the Spanish-American war. Every bit of food is purchased sub-

An accidental landing on a rough ject to approval of the inspectors

Shy of Cooks.

Men are arriving in camp faster than real cooks, even at \$90 per month, can be mobilized. Some fourflushers are to be seen in kitchens, all dolled up in white coats, white pants, and with the white caps upon their heads. Those who cannot cook

It can be said that of the selected men already here, over 10,000, that there is no grumbling, and that the men feel that it is unreasonable to ask for immediate results from cooks, who are up against such a tremend-our proposition. Even the cooks who bluffed their way into jobs with few

kept the crowd back at a distance kept the crowd back at a distance look yards from the plane.

Today, though, the crippled giant was ringed about with a rope in closure, and one could sige close enough to see the valves on the big in the bread baked in the huge ovens is fine, and the meats that are being handled are of the best. The fresh meats are delivered promptly from the refrigerated cars to the barracks are here

## TRAINING WORK AT ANNISTON WILL START TOMORROW

CAMP Mcclellan, annistron, and immediately after that date transportation facilities will be available for the First Delaware Regiment and the Bacond Regiment, of Trenton, more than the usual hop, skip, and a jump into working togs—it will be the signal calling the twesty by detailed upon a jump into working togs—it will be under canvas here to a program of intensive training designed to eventually fit, them ing designed to eventually fit, them for service in Europe's tranches. Monday has been decided upon as the date for the nursain raising of the service of the servic

be the signal calling the twestyninth division soldlers now stationed
here to a program of intensiva training designed to eventuality it them
for service in Europe's tranches.
Monday has been decided upon as
the date for the murtain raising on
the schedule of, instruction mapped
out by the War College, Elementary
work will be the sole at first in
order that the "rookies" may gather
a passing knowledge of the rudiments
of the military game, and so that offiners and enlisted sen who have
served their apprenticeship may have
the advantages of a freshening up.
Prisone and English officers will
come here to act as teachers for the
division, assisting the regular army
and federalized guard staff already
in duty, and the Jarsey, Delaware,
Maryinod, District of Columbia, and
Virginia soldlers will have the advantages of a presonal contact with
experienced specialists in modern
warfare.

The schedule of instruction will
be changed from week to week, the
divisional headquarters staff an
nouncing the previous week's schedule several days before it goes into
effect. From reveille to taps officers
and enlisted men will be kept busy,
and, strange to relate, the official
commissioned personnel will be the
busiest of all. Officers will he expected to tead their companies
throughout the day and apply themselves to a program of night study,
certain to keep the midnight oil humselves to a program of night study,
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certain to keep the midnight oil humselves to a program of the mornling. By this time next effect. From reveille to taps officers and enlisted men will be kept busy, and, strange to relate, the official commissioned personnel will be the busiest of all. Officers will be expected to tead their companies throughout the day and apply themselves to a program of night study, certain to keep the midnight oil burning. By this time next week the twenty-ninth divisional will be convinced that Uncle Sam means business and wants every guardsman to sacrifice the thoughts of all class in common besides that directly akin to militarism. Petersburg, Va., as assistant to the division adjutant of the Eightieth Major Cook served as captain of the

pion drilling organization in the

The reorganization of the division dal in connection with the feeding of the Beventy-inith division of the naverage, the increased rank coming arrived. It was not very bad. An a first lieutenant and ordinary nose could not have detected it, and an ordinary tongue might have found the flavor all right. But the inspectors, whom the War Department has on the job, feel their seponsibility too seriously to let one little aniff and one little taste suffice. They have keen eyes to begin with, together the half of the club, and behalf of the club.

They have keen eyes to begin with, together the baske sheen eyes that has word marksmanahip badges for many of.

pion drilling organization in the United States, and then as battalion adjutant. He was made a major when the national guard was reorganized in 1960.

When General Harries retired, Major Cook was prominently mentioned for the appointment as his successor, He was retired and promoted.

Draganize Under New Pien.

When Agent and then as battalion adjutant. He was made a major when the national guard was reorganized drilling grounds are being cleared of the divisional organization in the field bakery, part of the official and senior cleared for prominent part of the divisional organization in the field bakery, part of the official and senior cleared for prominent part of the divisional organization in the field bakery, part of the official and senior cleared for prominent for a limit part of the cantoninent for a limit submer. Capt. William K. Sump in all parts of the cantoninent for a limit submer. Capt. William K. Sump in all parts of the cantoninent for a limit submer. Capt. William K. Sump in all parts of the appointment as his successor, He was retired and promoted.

Oraganize Under New Pien.

One of the mest prominent features of the divisional organization is the field bakery, part of the official and sunitated personnel having served with a general scurrying is in evidence in all parts of the cantoninent for a limit by the part of the divisional organization is the construction of the divisional organization is the divisional organization of the divisional organization of the divisional organization of the divisional org One of the busiest outfits at Camp McClallan is the divisional headquar-



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